

ABSTRACT OF THE DISCLOSURE

A novel predator bacterium *Burkholderia casidae* is disclosed. The invention is directed to the isolation and  
5 use of *Burkholderia casidae* to control microbial diseases of plants. The genetic, biochemical and physiological characteristics of *Burkholderia casidae* are described. Biocontrol compositions comprising *Burkholderia casidae*, and antimicrobial compounds and antimicrobial preparations  
10 prepared from *Burkholderia casidae* are also disclosed, as are methods for accomplishing all of the foregoing.

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